



Apple IIe Extended 80-Column Text Card

Increased Memory and Text Display
for the Apple IIe

The Apple IIe Extended 80-Column Text Card adds an additional bank of 64K to your Apple IIe's memory (for software designed to use it), and lets you double the computer's display to 80 characters per screen line.

By "extending" the memory capability of the Apple IIe, the text card takes maximum advantage of several features of the computer.

These features and extra memory are particularly useful for software developers, or anyone needing extra data space in such applications as financial modeling and data-base management.

The Extended 80-Column Text Card installs easily in your Apple IIe. It simply plugs into the Auxiliary Connector slot inside the computer, requiring no additional cables or connectors.

Benefits

The Apple IIe Extended 80-Column Text Card . . .

- provides all the features of the standard 80-Column Text Card, plus more memory . . .
- allows you to use and develop programs that take advantage of more than the standard 64K memory of an Apple IIe, for larger text or data files or more complex financial models . . .
- holds ample additional data from your application programs (such as word processing,

data base, etc.) so disk access is required less frequently . . .

- uses built-in features of the Apple IIe to switch between the computer's main memory and the auxiliary memory on the card . . .
- comes with a supplemental instruction manual that includes demonstration programs for the card.

The Apple IIe Extended 80-Column Text Card— A Closer Look

The additional 64K of RAM (random-access memory) on the Extended 80-Column Text Card is available in blocks known as "banks." These banks are selected using software switches built into the Apple IIe. This "bank-switching" allows access to more memory than the computer's microprocessor can address at any one time. Firmware for the bank-switching is already in the ROM (read-only memory) on the Apple IIe's main logic board.

The alternate memory on the Extended 80-Column Text Card is selectable in either of two

banks: the 48K Main Program memory, and the upper 16K plus Zero Page and Stack memory. Although the memory is not accessible directly from BASIC or Pascal, a call from a BASIC or Pascal program to a machine-language subroutine will bring it into play. Sample programs to access the extra memory are included in the "Extended 80-Column Text Card Supplement," which you will receive with your order.

System Configuration

To use the Apple IIe Extended 80-Column Text Card, you will need:

- an Apple IIe (64K RAM) with an available Auxiliary Connector slot;

- Monitor II or other suitable high-resolution video display.

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**The Apple IIe
Extended
80-Column
Text Card
Package Order
No. A2B2023**

With your Apple IIe Extended 80-Column Text Card order, you will receive:

- Apple IIe Extended 80-Column Text Card;
- Installation and operating manual
- Extended 80-Column Text Card Supplement;
- product registration and warranty card.

Product specifications may change without notice.
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